



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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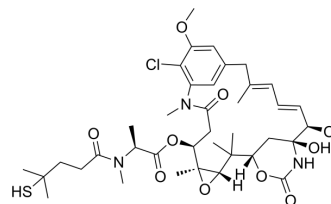
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Maytansinoid DM4

Cat. No.:	HY-100503
CAS No.:	799840-96-3
Molecular Formula:	C ₃₉ H ₅₆ ClN ₃ O ₁₀ S
Molecular Weight:	794.39
Target:	ADC Cytotoxin
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Maytansinoid DM4 is a thiol-containing maytansine derivative with highly potent cytotoxicity. Maytansinoid DM4 can be used as a cytotoxic moiety of ADC ^{[1][2]} .
IC ₅₀ & Target	Maytansinoids
In Vitro	Maytansine is a natural benzoansamacrolide product isolated from the bark of the African shrub Maytenus ovatus. Maytansine binds to the same site on tubulin as the vinca alkaloids, with similar in vitro inhibition constants, but is a more-potent cytotoxin ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.
- [2]. Zhao RY, et al. Synthesis and evaluation of hydrophilic linkers for antibody-maytansinoid conjugates. J Med Chem. 2011 May 26;54(10):3606-23.

Caution: Product has not been fully validated for medical applications. For research use only.

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